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LUC-319/Abrams 3-1-4-5

REMARKS

Claims 1-3 and 5-20 are pending in the application. Claims 1-3 and 5-19 were rejected under 35 U.S.C. § 103(a).

Rejections Under 35 U.S.C. § 103(a)

Claims 1-3 were rejected under 35 U.S.C. § 103 (a) as being unpatentable over U.S. Patent Application Number 2002/0176404 A1 issued to Girard dated November 28, 2002 in view of U.S. Patent Number 6,608,832 issued to Forslow on August 19, 2003.

Claims 6-12, 14 and 16-18 were rejected under 35 U.S.C. § 103 (a) as being unpatentable over Das et al., "A Call Admission and Control Scheme for Quality-of-Service (QoS) Provisioning in Next Generation Wireless Networks" in view of U.S. Patent Number 6,608,832 issued to Forslow on August 19, 2003.

Claim 5 was rejected under 35 U.S.C. § 103(a) as being unpatentable over U.S. Patent Application Number 2002/0176404 A1 issued to Girard dated November 28, 2002 in view of U.S. Patent Number 6,608,832 issued to Forslow on August 19, 2003, and further in view of U.S. Patent Number 6,618,384 B1 issued to Elliott on September 9, 2003.

Claims 13 and 19 were rejected under 35 U.S.C. § 103(a) as being unpatentable over Das et al., "A Call Admission and Control Scheme for Quality-of-Service (QoS) Provisioning in Next Generation Wireless Networks" in view of U.S. Patent Number 6,608,832 issued to Forslow on August 19, 2003, and further in view of U.S. Patent Number 6,618,384 B1 issued to Elliott on September 9, 2003.

Claim 15 was rejected under 35 U.S.C. § 103(a) as being unpatentable over Das et al., "A Call Admission and Control Scheme for Quality-of-Service (QoS) Provisioning in Next Generation Wireless Networks" in view of U.S. Patent Number 6,608,832 issued to Forslow on August 19, 2003, and further in view of U.S. Patent Application Number 2002/0176404 A1 issued to Girard dated November 28, 2002.

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Rejection Under Girard and Forslow

Claims 1-3 were rejected under 35 U.S.C. § 103 (a) as being unpatentable over Girard in view of Forslow.

This ground of rejection is avoided for the following reason.

First, independent claim 1, as amended, now recites, "wherein call control for the multi-media call is handled by a single point of control, and wherein said single point of control reallocates packet-switched resources and circuit-switched resources for the multi-media call, and wherein said single point of control waits for circuit-switched resources to become available while resources are changed to packet-switched resources, and said single point of control allocates packet-switched resources and circuit-switched resources independently for different parts of the multi-media call".

As stated in the Office Action, Girard does not teach this limitation. Applicants note that Forslow does not teach or suggest the limitation either. Instead, Forslow discloses a technique that combines circuit-switched and packet-switched services, and the technique utilizes a gateway, GGSN 116, in a wireless network. The gateway has a common access server for accessing external networks, such as the Internet, and a mapper for mapping request to either a circuit-switched or packet-switched communications bearer. However, contrary to applicants' claim 1, Forslow does not teach or suggest "wherein said single point of control waits for circuit-switched resources to become available while resources are changed to packet-switched resources", as recited in applicants' claim 1. This is because Forslow's mapper forwards data without waiting for resources to become available, as stated in column 16, lines 14-17. Thus, Forslow is missing the "wherein said single point of control waits for circuit-switched resources to become available while resources are changed to packet-switched resources" element as recited in applicants' claim 1.

Therefore the combination of Girard with Forslow does not teach or suggest all of the limitations in applicants' claim 1, and therefore claim 1 is allowable over the proposed combination. Since claims 2-3 depend from allowable claim 1, these claims are also allowable over the proposed combination.

Independent claims 6 and 14 each have a limitation similar to that of independent claim 1, which was shown is not taught by the combination of Girard with Forslow. For

example, claim 6 recites, "wherein call control for the call is handled by a single point of control, and wherein said single point of control reallocates the one or more resources for the call, and wherein said single point of control waits for circuit-switched resources to become available while resources are changed to packet-switched resources, and said single point of control allocates the one or more resources independently for different parts of the call" and claim 14 recites "requesting at least one resource for the call according to at least one call characteristic, ... , and wherein said single point of control waits for circuit-switched resources to become available while resources are changed to packet-switched resources, and said single point of control allocates the at least one resource independently for different parts of the call". The combination of Girard with Forslow does not teach these limitations for the above-mentioned reasons. Therefore, claims 6 and 14 are likewise allowable over the proposed combination.

Rejections Under Das, Forslow, Girard, Elliott

Claims 6-12, 14 and 16-18 were rejected under 35 U.S.C. § 103 (a) as being unpatentable over Das in view of Forslow.

Claim 5 was rejected under 35 U.S.C. § 103(a) as being unpatentable over Girard in view of Forslow, and further in view of Elliott.

Claims 13 and 19 were rejected under 35 U.S.C. § 103(a) as being unpatentable over Das in view of Forslow, and further in view of Elliott.

Claim 15 was rejected under 35 U.S.C. § 103(a) as being unpatentable over Das in view of Forslow on August 19, 2003, and further in view of Girard.

Applicants respectfully traverse these grounds of rejection.

This rejection is based on the rejection under Forslow being proper. As that ground of rejection has been overcome, and none of the cited references teach or suggest "wherein call control for the multi-media call is handled by a single point of control, ... , and wherein said single point of control waits for circuit-switched resources to become available while resources are changed to packet-switched resources, and said single point of control allocates packet-switched resources and circuit-switched resources independently for different parts of the multi-media call", as recited in applicants' independent claim 1, and "wherein call control for the call is handled by a

single point of control, and wherein said single point of control reallocates the one or more resources for the call, and wherein said single point of control waits for circuit-switched resources to become available while resources are changed to packet-switched resources, and said single point of control allocates the one or more resources independently for different parts of the call" as recited in applicants' independent claim 6, and "requesting at least one resource for the call according to at least one call characteristic, ... , and wherein said single point of control waits for circuit-switched resources to become available while resources are changed to packet-switched resources, and said single point of control allocates the at least one resource independently for different parts of the call" as recited in applicants' independent claim 14, the combinations of Das with Forslow, Girard with Forslow and Elliott, Das with Forslow and Elliott, and Das with Forslow and Girard do not supply these missing elements. Thus, these combinations do not make obvious any of applicants' claims, all of which require the aforesaid limitation.

New Claim

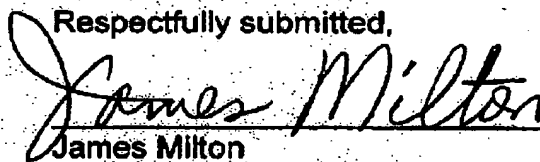
New claim 20 has been added. Claim 20 includes a limitation directed to the single point of control. No new matter has been added.

Conclusion

It is respectfully submitted that the Office Action's rejections have been overcome and that this application is now in condition for allowance. Reconsideration and allowance are, therefore, respectfully solicited.

If, however, the Examiner still believes that there are unresolved issues, she is invited to call applicants' attorney so that arrangements may be made to discuss and resolve any such issues.

Respectfully submitted,



James Milton
Attorney for Applicants
Reg. No. 46935

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CARMEN B. PATTI & ASSOCIATES, LLC
Customer Number 47382